# Statement of Basis of the Federal Operating Permit

ExxonMobil Oil Corporation

Site Name: Beaumont Polyethylene Plant
Physical Location: 11440 Highway 90
Nearest City: Beaumont
County: Jefferson

Permit Number: O2277
Project Type: Minor Revision

The North American Industry Classification System (NAICS) Code: 325211
NAICS Name: Plastics Material and Resin Manufacturing

This Statement of Basis sets forth the legal and factual basis for the draft changes to the permit conditions resulting from the minor revision project in accordance with 30 TAC §122.201(a)(4). The applicant has submitted an application for a minor permit revision per §§ 122.215-217. This document may include the following information:

A description of the facility/area process description;
A description of the revision project;
A basis for applying permit shields;
A list of the federal regulatory applicability determinations;
A table listing the determination of applicable requirements;
A list of the New Source Review Requirements;
The rationale for periodic monitoring methods selected;
The rationale for compliance assurance methods selected;
A compliance status; and
A list of available unit attribute forms.

Prepared on: August 23, 2019

# Operating Permit
# Basis of Determination

**Description of Revisions**

- The preconstruction authorization list was updated to add NSR Permit 115295 issued June 17, 2015, and PBR 106.371, 106.472 and 106.532 all with the effective date of 9/4/2000.
- 40 CFR Part 60, Subpart Dc, and high-level MACT DDDDD applicability was added to unit IDs 07BLR001 and 07BLR002.
- The flare systems (07FLR001 and 07FLR002) and the high and low-pressure vent headers (unit ID 07CMNHP and 07CMNLP) were added to the permit.
- Several other units were added to the permit using the submitted unit attribute forms.

**Permit Area Process Description**

The major sections of the Beaumont Polyethylene Plant - Low Pressure Unit are summarized as follow:

*Raw Materials (Storage, Processing, and Preparation) and Catalyst Preparation:*

Fresh ethylene feed is received via pipeline and is purified on-site. Comonomer is received in trucks or railcars, purified, and transferred to storage tanks. During regeneration of the purification beds, regeneration gas (other than air) is vented to the flare. Any venting during comonomer unloading is sent to the flare. Different catalyst preparation methods are used to produce a variety of catalyst grades on-site and the catalyst may be activated on-site. During activation, the dehydrator vent is passed through a filter and a water scrubber and sent to the flare or atmosphere. Wastewater sludge from the scrubber is collected and transported off-site. The catalyst is transferred to storage after activation. Finished catalyst from the catalyst storage vessels is transferred to catalyst feeders for use in the LP production process. Off-specification catalyst from the catalyst preparation area is sent to waste storage for disposal.

*Reaction:*

Fresh and recycled ethylene, comonomers and other reactants, catalyst and sometimes seed resin are fed into the gas-phase fluidized bed reactors. Unreacted gas is compressed and recycled to the reactor. Seal leakage from the compressor is collected and sent to a separator. The separator vents to the flare and the oil is disposed. A resin/gas mixture is withdrawn from the reactors and is routed to the product discharge system where gas is separated and returned to the reactors. Resin is transferred to the product purge vessels. Nitrogen is blown through the purge vessels to remove residual hydrocarbons from the resin. The purge gas is sent to comonomer recovery, and/or the flare. In the recovery units, recovered liquids are recycled back to the reactors and non-condensables are sent to the flare or partially recovered by adsorption.

*Product Finishing:*

Product finishing consists of:

- The purging of resin to remove residual hydrocarbons (as discussed above).
- The conveying of purged resin through particle screeners to booster stations and silos.
- The unloading of compounding additives from hopper cars, sacks or drums into silos or feed hoppers.
- The extrusion, pelletizing, and drying of the finished product.

Additives and resin are transferred into in-line blenders in the compounding area where the additive/resin mixture is extruded, pelletized underwater, separated via dewatering box/spin dryer, and conveyed to product silos. The additive/resin mixture can also be sent directly to the product silos for sale as a granular product. The conveying air/nitrogen used in product finishing is vented to the atmosphere through filters.

*Product Storage:*

Pellets are conveyed from the product silos to the prefill bins, and gravity fed into railcars. The particulate emissions from loading of railcars are controlled by dust collecting filters. The conveying air is vented to the atmosphere through filters or cyclone separators.

*Material Recovery:*

The Material Recovery Process section includes the equipment that recovers unreacted or by-product materials from any process section for return to the process line, off-site purification or treatment, or sale. There are no uncontrolled VOC vents to the atmosphere in this process section at the Low-Pressure Plant.

*Process Vents:*
Several atmospheric process vents are located throughout the process at the Low-Pressure Plant.

*Utilities:*
Three boilers supply steam to the Low-Pressure polyethylene process where necessary. The combustion devices included in this application are not used as control devices. A cooling tower (F-701) supplies cooling water to the process. One flare (721) is air assisted, and the LRGO flare (858) is a pressure assisted flare.

*Miscellaneous and Maintenance:*
Solvents are used at the plant for maintenance/degreasing purposes. There are two degreasers and the Low-Pressure plant. One SRIC Engine is used as an emergency diesel generator and it is operated less than 850 hours per year.

**FOPs at Site**

The "application area" consists of the emission units and that portion of the site included in the application and this permit. Multiple FOPs may be issued to a site in accordance with 30 TAC § 122.201(e). When there is only one area for the site, then the application information and permit will include all units at the site. Additional FOPs that exist at the site, if any, are listed below.

Additional FOPs: O1243

**Major Source Pollutants**

The table below specifies the pollutants for which the site is a major source:

| | |
|---|---|
| Major Pollutants | VOC, NOX, HAPS, CO |

**Reading State of Texas's Federal Operating Permit**

The Title V Federal Operating Permit (FOP) lists all state and federal air emission regulations and New Source Review (NSR) authorizations (collectively known as "applicable requirements") that apply at a particular site or permit area (in the event a site has multiple FOPs). **The FOP does not authorize new emissions or new construction activities.** The FOP begins with an introductory page which is common to all Title V permits. This page gives the details of the company, states the authority of the issuing agency, requires the company to operate in accordance with this permit and 30 Texas Administrative Code (TAC) Chapter 122, requires adherence with NSR requirements of 30 TAC Chapter 116, and finally indicates the permit number and the issuance date.

This is followed by the table of contents, which is generally composed of the following elements. Not all permits will have all of the elements.

- General Terms and Conditions
- Special Terms and Conditions
    - Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting
    - Additional Monitoring Requirements
    - New Source Review Authorization Requirements
    - Compliance Requirements
    - Protection of Stratosphere Ozone
    - Permit Location
    - Permit Shield (30 TAC § 122.148)
- Attachments
    - Applicable Requirements Summary
        - Unit Summary
        - Applicable Requirements Summary
    - Additional Monitoring Requirements
    - Permit Shield

    - New Source Review Authorization References
    - Compliance Plan
    - Alternative Requirements
- Appendix A
    - Acronym list

General Terms and Conditions

The General Terms and Conditions are the same and appear in all permits. The first paragraph lists the specific citations for 30 TAC Chapter 122 requirements that apply to all Title V permit holders. The second paragraph describes the requirements for record retention. The third paragraph provides details for voiding the permit, if applicable. The fourth paragraph states that the permit holder shall comply with the requirements of 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit. The fifth paragraph provides details on submission of reports required by the permit.

Special Terms and Conditions

Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting. The TCEQ has designated certain applicable requirements as site-wide requirements. A site-wide requirement is a requirement that applies uniformly to all the units or activities at the site. Units with only site-wide requirements are addressed on Form OP-REQ1 and are not required to be listed separately on a OP-UA Form or Form OP-SUM. Form OP-SUM must list all units addressed in the application and provide identifying information, applicable OP-UA Forms, and preconstruction authorizations. The various OP-UA Forms provide the characteristics of each unit from which applicable requirements are established. Some exceptions exist as a few units may have both site-wide requirements and unit specific requirements.

Other conditions. The other entries under special terms and conditions are in general terms referring to compliance with the more detailed data listed in the attachments.

Attachments

Applicable Requirements Summary. The first attachment, the Applicable Requirements Summary, has two tables, addressing unit specific requirements. The first table, the Unit Summary, includes a list of units with applicable requirements, the unit type, the applicable regulation, and the requirement driver. The intent of the requirement driver is to inform the reader that a given unit may have several different operating scenarios and the differences between those operating scenarios.

The applicable requirements summary table provides the detailed citations of the rules that apply to the various units. For each unit and operating scenario, there is an added modifier called the “index number,” detailed citations specifying monitoring and testing requirements, recordkeeping requirements, and reporting requirements. The data for this table are based on data supplied by the applicant on the OP-SUM and various OP-UA forms.

Additional Monitoring Requirement. The next attachment includes additional monitoring the applicant must perform to ensure compliance with the applicable standard. Compliance assurance monitoring (CAM) is often required to provide a reasonable assurance of compliance with applicable emission limitations/standards for large emission units that use control devices to achieve compliance with applicant requirements. When necessary, periodic monitoring (PM) requirements are specified for certain parameters (i.e. feed rates, flow rates, temperature, fuel type and consumption, etc.) to determine if a term and condition or emission unit is operating within specified limits to control emissions. These additional monitoring approaches may be required for two reasons. First, the applicable rules do not adequately specify monitoring requirements (exception- Maximum Achievable Control Technology Standards (MACTs) generally have sufficient monitoring), and second, monitoring may be required to fill gaps in the monitoring requirements of certain applicable requirements. In situations where the NSR permit is the applicable requirement requiring extra monitoring for a specific emission unit, the preferred solution is to have the monitoring requirements in the NSR permit updated so that all NSR requirements are consolidated in the NSR permit.

Permit Shield. A permit may or may not have a permit shield, depending on whether an applicant has applied for, and justified the granting of, a permit shield. A permit shield is a special condition included in the permit document stating that

compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirement(s) or specified applicable state-only requirement(s).

New Source Review Authorization References. All activities which are related to emissions in the state of Texas must have a NSR authorization prior to beginning construction. This section lists all units in the permit and the NSR authorization that allowed the unit to be constructed or modified. Units that do not have unit specific applicable requirements other than the NSR authorization do not need to be listed in this attachment. While NSR permits are not physically a part of the Title V permit, they are legally incorporated into the Title V permit by reference. Those NSR permits whose emissions exceed certain PSD/NA thresholds must also undergo a Federal review of federally regulated pollutants in addition to review for state regulated pollutants.

Compliance Plan. A permit may have a compliance schedule attachment for listing corrective actions plans for any emission unit that is out of compliance with an applicable requirement.

Alternative Requirements. This attachment will list any alternative monitoring plans or alternative means of compliance for applicable requirements that have been approved by the EPA Administrator and/or the TCEQ Executive Director.

Appendix A

Acronym list. This attachment lists the common acronyms used when discussing the FOPs.

**Stationary vents subject to 30 TAC Chapter 111, Subchapter A, § 111.111(a)(1)(B) addressed in the Special Terms and Conditions**

The site contains stationary vents with a flowrate less than 100,000 actual cubic feet per minute (acfm) and constructed after January 31, 1972 which are limited, over a six-minute average, to 20% opacity as required by 30 TAC § 111.111(a)(1)(B). As a site may have a large number of stationary vents that fall into this category, they are not required to be listed individually in the permit's Applicable Requirement Summary. This is consistent with EPA's White Paper for Streamlined Development of Part 70 Permit Applications, July 10, 1995, that states that requirements that apply identically to emission units at a site can be treated on a generic basis such as source-wide opacity limits.

Periodic monitoring is specified in Special Term and Condition 3 for stationary vents subject to 30 TAC § 111.111(a)(1)(B) to verify compliance with the 20% opacity limit. These vents are not expected to produce visible emissions during normal operation. The TCEQ evaluated the probability of these sources violating the opacity standards and determined that there is a very low potential that an opacity standard would be exceeded. It was determined that continuous monitoring for these sources is not warranted as there would be very limited environmental benefit in continuously monitoring sources that have a low potential to produce visible emissions. Therefore, the TCEQ set the visible observation monitoring frequency for these sources to once per calendar quarter.

The TCEQ has exempted vents that are not capable of producing visible emissions from periodic monitoring requirements. These vents include sources of colorless VOCs, non-fuming liquids, and other materials that cannot produce emissions that obstruct the transmission of light. Passive ventilation vents, such as plumbing vents, are also included in this category. Since this category of vents are not capable of producing opacity due to the physical or chemical characteristics of the emission source, periodic monitoring is not required as it would not yield any additional data to assure compliance with the 20% opacity standard of 30 TAC § 111.111(a)(1)(B).

In the event that visible emissions are detected, either through the quarterly observation or other credible evidence, such as observations from company personnel, the permit holder shall either report a deviation or perform a Test Method 9 observation to determine the opacity consistent with the 6-minute averaging time specified in 30 TAC § 111.111(a)(1)(B). An additional provision is included to monitor combustion sources more frequently than quarterly if alternate fuels are burned for periods greater than 24 consecutive hours. This will address possible emissions that may arise when switching fuel types.

The applicant opted to comply with the more stringent 20% opacity standard under 30 TAC § 111.111(a)(1)(B) for all stationary vents that are subject to the 30% opacity standard under 30 TAC § 111.111(a)(1)(A).

**Stationary Vents subject to 30 TAC Chapter 111 not addressed in the Special Terms and Conditions**

All other stationary vents subject to 30 TAC Chapter 111 not covered in the Special Terms and Conditions are listed in the permit's Applicable Requirement Summary. The basis for the applicability determinations for these vents are listed in the Determination of Applicable Requirements table.

**Federal Regulatory Applicability Determinations**

The following chart summarizes the applicability of the principal air pollution regulatory programs to the permit area:

| Regulatory Program | Applicability (Yes/No) |
|---|---|
| Prevention of Significant Deterioration (PSD) | No |
| Nonattainment New Source Review (NNSR) | No |
| Minor NSR | Yes |
| 40 CFR Part 60 - New Source Performance Standards | Yes |
| 40 CFR Part 61 - National Emission Standards for Hazardous Air Pollutants (NESHAPs) | Yes |
| 40 CFR Part 63 - NESHAPs for Source Categories | Yes |
| Title IV (Acid Rain) of the Clean Air Act (CAA) | No |
| Title V (Federal Operating Permits) of the CAA | Yes |
| Title VI (Stratospheric Ozone Protection) of the CAA | Yes |
| CSAPR (Cross-State Air Pollution Rule) | No |
| Federal Implementation Plan for Regional Haze (Texas $SO_2$ Trading Program) | No |

**Basis for Applying Permit Shields**

An operating permit applicant has the opportunity to specifically request a permit shield to document that specific applicable requirements do not apply to emission units in the permit. A permit shield is a special condition stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements. A permit shield has been requested in the application for specific emission units. For the permit shield requests that have been approved, the basis of determination for regulations that the owner/operator need not comply with are located in the "Permit Shield" attachment of the permit.

**Insignificant Activities**

In general, units not meeting the criteria for inclusion on either Form OP-SUM or Form OP-REQ1 are not required to be addressed in the operating permit application. Examples of these types of units include, but are not limited to, the following:

1. Office activities such as photocopying, blueprint copying, and photographic processes.
2. Sanitary sewage collection and treatment facilities other than those used to incinerate wastewater treatment plant sludge. Stacks or vents for sanitary sewer plumbing traps are also included.
3. Food preparation facilities including, but not limited to, restaurants and cafeterias used for preparing food or beverages primarily for consumption on the premises.
4. Outdoor barbecue pits, campfires, and fireplaces.
5. Laundry dryers, extractors, and tumblers processing bedding, clothing, or other fabric items generated primarily at the premises. This does not include emissions from dry cleaning systems using perchloroethylene or petroleum solvents.
6. Facilities storing only dry, sweet natural gas, including natural gas pressure regulator vents.
7. Any air separation or other industrial gas production, storage, or packaging facility. Industrial gases, for purposes of this list, include only oxygen, nitrogen, helium, neon, argon, krypton, and xenon.
8. Storage and handling of sealed portable containers, cylinders, or sealed drums.
9. Vehicle exhaust from maintenance or repair shops.
10. Storage and use of non-VOC products or equipment for maintaining motor vehicles operated at the site (including but not limited to, antifreeze and fuel additives).
11. Air contaminant detectors and recorders, combustion controllers and shut-off devices, product analyzers, laboratory analyzers, continuous emissions monitors, other analyzers and monitors, and emissions associated with sampling activities. Exception to this category includes sampling activities that are deemed fugitive emissions and under a regulatory leak detection and repair program.
12. Bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analysis, including but not limited to, assorted vacuum producing devices and laboratory fume hoods.
13. Steam vents, steam leaks, and steam safety relief valves, provided the steam (or boiler feedwater) has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
14. Storage of water that has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
15. Well cellars.
16. Fire or emergency response equipment and training, including but not limited to, use of fire control equipment including equipment testing and training, and open burning of materials or fuels associated with firefighting training.
17. Crucible or pot furnaces with a brim full capacity of less than 450 cubic inches of any molten metal.
18. Equipment used exclusively for the melting or application of wax.
19. All closed tumblers used for the cleaning or deburring of metal products without abrasive blasting, and all open tumblers with a batch capacity of 1,000 lbs. or less.
20. Shell core and shell mold manufacturing machines.
21. Sand or investment molds with a capacity of 100 lbs. or less used for the casting of metals;
22. Equipment used for inspection of metal products.
23. Equipment used exclusively for rolling, forging, pressing, drawing, spinning, or extruding either hot or cold metals by some mechanical means.
24. Instrument systems utilizing air, natural gas, nitrogen, oxygen, carbon dioxide, helium, neon, argon, krypton, and xenon.
25. Battery recharging areas.
26. Brazing, soldering, or welding equipment.

**Determination of Applicable Requirements**

The tables below include the applicability determinations for the emission units, the index number(s) where applicable, and all relevant unit attribute information used to form the basis of the applicability determination. The unit attribute information is a description of the physical properties of an emission unit which is used to determine the requirements to which the permit holder must comply. For more information about the descriptions of the unit attributes specific Unit Attribute Forms may be viewed at www.tceq.texas.gov/permitting/air/nav/air_all_ua_forms.html.

A list of unit attribute forms is included at the end of this document. Some examples of unit attributes include construction date; product stored in a tank; boiler fuel type; etc. Generally, multiple attributes are needed to determine the requirements for a given emission unit and index number. The table below lists these attributes in the column entitled "Basis of Determination." Attributes that demonstrate that an applicable requirement applies will be the factual basis for

the specific citations in an applicable requirement that apply to a unit for that index number. The TCEQ Air Permits Division has developed flowcharts for determining applicability of state and federal regulations based on the unit attribute information in a Decision Support System (DSS). These flowcharts can be accessed via the internet at www.tceq.texas.gov/permitting/air/nav/air_supportsys.html. The Air Permits Division staff may also be contacted for assistance at (512) 239-1250.

The attributes for each unit and corresponding index number provide the basis for determining the specific legal citations in an applicable requirement that apply, including emission limitations or standards, monitoring, recordkeeping, and reporting. The rules were found to apply or not apply by using the unit attributes as answers to decision questions found in the flowcharts of the DSS. Some additional attributes indicate which legal citations of a rule apply. The legal citations that apply to each emission unit may be found in the Applicable Requirements Summary table of the draft permit. There may be some entries or rows of units and rules not found in the permit, or if the permit contains a permit shield, repeated in the permit shield area. These are sets of attributes that describe negative applicability, or; in other words, the reason why a potentially applicable requirement does not apply.

If applicability determinations have been made which differ from the available flowcharts, an explanation of the decisions involved in the applicability determination is specified in the column “Changes and Exceptions to RRT.” If there were no exceptions to the DSS, then this column has been removed.

The draft permit includes all emission limitations or standards, monitoring, recordkeeping and reporting required by each applicable requirement. If an applicable requirement does not require monitoring, recordkeeping, or reporting, the word “None” will appear in the Applicable Requirements Summary table. If additional periodic monitoring is required for an applicable requirement, it will be explained in detail in the portion of this document entitled “Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected.”

When attributes demonstrate that a unit is not subject to an applicable requirement, the applicant may request a permit shield for those items. The portion of this document entitled “Basis for Applying Permit Shields” specifies which units, if any, have a permit shield.

Operational Flexibility

When an emission unit has multiple operating scenarios, it will have a different index number associated with each operating condition. This means that units are permitted to operate under multiple operating conditions. The applicable requirements for each operating condition are determined by a unique set of unit attributes. For example, a tank may store two different products at different points in time. The tank may, therefore, need to comply with two distinct sets of requirements, depending on the product that is stored. Both sets of requirements are included in the permit, so that the permit holder may store either product in the tank.

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| M-4799 | 30 TAC Chapter 117, Subchapter B | R7300-001 | Horsepower Rating = HP is greater than or equal to 300<br>RACT Date Placed in Service = On or before November 15, 1992<br>Type of Service = Stationary diesel engine<br>Fuel Fired = Petroleum-based diesel fuel | |
| M-4799 | 40 CFR Part 60, Subpart IIII | 60IIII-1 | Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.<br>Diesel = Diesel fuel is used.<br>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.<br>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.<br>Displacement = Displacement is less than 10 liters per cylinder.<br>Service = CI ICE is an emergency engine.<br>Standards = The emergency CI ICE meets the standards applicable to non-emergency engines.<br>Commencing = CI ICE was newly constructed after 07/11/2005.<br>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.<br>Manufacture Date = Date of manufacture was after 04/01/2006.<br>Model Year = CI ICE was manufactured in model year 2007. | -- Affected Pollutant - CO:<br>-- Affected Pollutant - NMHC-AND-NOX:<br>-- Affected Pollutant - PM (OPACITY):<br>-- Affected Pollutant - PM:<br>Related Standards – [G]§ 60.4211(f) was ungrouped to remove non-applicable citations. Added Related Standards § 60.4211(f)(1), § 60.4211(f)(2), § 60.4211(f)(2)(i), § 60.4211(f)(3) which were applicable members of the ungrouped citation.<br>Recordkeeping - § 60.4211(f)(1) was added to recordkeeping as implied.<br>Reporting – [G]§ 60.4214(d) was removed since §60.4211(f) is not grouped. |
| M-4799 | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ-1 | HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2<br>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.<br>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.<br>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii). | -- Affected Pollutant - 112(B) HAPS:<br>Related Standards - § 63.6590(c)(7) was manually added to MACT ZZZZ as applied to Stationary RICE for clarity. |
| 07TOTES | 30 TAC Chapter 115, Storage of VOCs | R5112-0006 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>Product Stored = VOC other than crude oil or condensate<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| 612-D4718 | 30 TAC Chapter 115, Storage of VOCs | R5112-0097 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank using a vapor recovery system (VRS)<br>Product Stored = VOC other than crude oil or condensate<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons<br>Control Device Type = Flare. | -- Affected Pollutant - VOC:<br>Recordkeeping – §115.118(a)(4) and §115.118(a)(4)(F) for 30 TAC Chapter 115, Storage of VOCs were manually added to the permit. |
| 612-D4718 | 40 CFR Part 60, Subpart Ka | 60Ka-0001 | Product Stored = Stored product other than a petroleum liquid | |
| 612-D4723 | 30 TAC Chapter 115, Storage of VOCs | R5112-0097 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank using a vapor recovery system (VRS)<br>Product Stored = VOC other than crude oil or condensate<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons<br>Control Device Type = Flare | -- Affected Pollutant - VOC:<br>Recordkeeping – §115.118(a)(4) and §115.118(a)(4)(F) for 30 TAC Chapter 115, Storage of VOCs were manually added to the permit. |
| 612-D4723 | 40 CFR Part 60, Subpart Ka | 60Ka-0001 | Product Stored = Stored product other than a petroleum liquid | |
| 612-D4725 | 30 TAC Chapter 115, Storage of VOCs | R5112-0097 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank using a vapor recovery system (VRS)<br>Product Stored = VOC other than crude oil or condensate<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons<br>Control Device Type = Flare | -- Affected Pollutant - VOC:<br>Recordkeeping – §115.118(a)(4) and §115.118(a)(4)(F) for 30 TAC Chapter 115, Storage of VOCs were manually added to the permit. |
| 612-D4725 | 40 CFR Part 60, Subpart Kb | 60Kb-0007 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters) | |
| 612-D4749 | 30 TAC Chapter 115, Storage of VOCs | R5112-0132 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. | -- Affected Pollutant - VOC:<br>Recordkeeping – §115.118(a)(4) and §115.118(a)(4)(F) for 30 TAC Chapter 115, |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Tank Description = Tank using a vapor recovery system (VRS)<br>Product Stored = VOC other than crude oil or condensate<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Storage Capacity = Capacity is greater than 40,000 gallons<br>Control Device Type = Flare | Storage of VOCs were manually added to the permit. |
| 612-D4749 | 40 CFR Part 60, Subpart Kb | 60Kb-0081 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 11.1 psia<br>Storage Vessel Description = Closed vent system (CVS) with a flare used as the control device (fixed roof) | |
| 612-D4752 | 30 TAC Chapter 115, Storage of VOCs | R5112-0097 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank using a vapor recovery system (VRS)<br>Product Stored = VOC other than crude oil or condensate<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons<br>Control Device Type = Flare | -- Affected Pollutant - VOC:<br>Recordkeeping – §115.118(a)(4) and §115.118(a)(4)(F) for 30 TAC Chapter 115, Storage of VOCs were manually added to the permit. |
| 612-D4752 | 40 CFR Part 60, Subpart Kb | 60Kb-0008 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is greater than or equal to 10,600 gallons (40,000 liters) but less than 19,800 gallons (75,000 liters) | |
| 612-D4754 | 30 TAC Chapter 115, Storage of VOCs | R5112-0097 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank using a vapor recovery system (VRS)<br>Product Stored = VOC other than crude oil or condensate<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons<br>Control Device Type = Flare | -- Affected Pollutant - VOC:<br>Recordkeeping – §115.118(a)(4) and §115.118(a)(4)(F) for 30 TAC Chapter 115, Storage of VOCs were manually added to the permit. |
| 612-D4754 | 40 CFR Part 60, Subpart Kb | 60Kb-0008 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is greater than or equal to 10,600 gallons (40,000 liters) but less than 19,800 gallons (75,000 liters) | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| 612-D4758 | 30 TAC Chapter 115, Storage of VOCs | R5112-0132 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank using a vapor recovery system (VRS)<br>Product Stored = VOC other than crude oil or condensate<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Storage Capacity = Capacity is greater than 40,000 gallons<br>Control Device Type = Flare | -- Affected Pollutant - VOC:<br>Recordkeeping – §115.118(a)(4) and §115.118(a)(4)(F) for 30 TAC Chapter 115, Storage of VOCs were manually added to the permit. |
| 612-D4758 | 40 CFR Part 60, Subpart Kb | 60Kb-0081 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 11.1 psia<br>Storage Vessel Description = Closed vent system (CVS) with a flare used as the control device (fixed roof) | |
| 612-F5959 | 30 TAC Chapter 115, Storage of VOCs | R5112-0006 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>Product Stored = VOC other than crude oil or condensate<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons | |
| 612-F5959 | 40 CFR Part 60, Subpart Kb | 60Kb-0008 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is greater than or equal to 10,600 gallons (40,000 liters) but less than 19,800 gallons (75,000 liters) | |
| 863 | 30 TAC Chapter 115, Storage of VOCs | R5112-0019 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank using an internal floating roof (IFR)<br>Product Stored = VOC other than crude oil or condensate<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Storage Capacity = Capacity is greater than 40,000 gallons | |
| 863 | 40 CFR Part 60, Subpart Kb | 60Kb-0068 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Storage Vessel Description = Fixed roof with an internal floating roof using two seals mounted one above the other to form a continuous closure | |
| F-7001 | 30 TAC Chapter 115, Storage of VOCs | R5112-0006 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>Product Stored = VOC other than crude oil or condensate<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons | |
| F-7001 | 40 CFR Part 60, Subpart Kb | 60Kb-0007 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters) | |
| GRPLPTANK1 | 30 TAC Chapter 115, Storage of VOCs | R5112-0006 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>Product Stored = VOC other than crude oil or condensate<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons | |
| GRPLPTANK1 | 40 CFR Part 60, Subpart Kb | 60Kb-0007 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters) | |
| 07BLR_001 | 40 CFR Part 60, Subpart Dc | 60DC-1 | Construction/Modification Date = After February 28, 2005.<br>PM Monitoring Type = No particulate monitoring.<br>Maximum Design Heat Input Capacity = Maximum design heat input capacity is greater than or equal to 10 MMBtu/hr (2.9 MW) but less than or equal to 100 MMBtu (29 MW).<br>SO2 Inlet Monitoring Type = No $SO_2$ monitoring.<br>Other Subparts = The facility is not covered under 40 CFR Part 60, Subparts AAAA or KKKK, or under an approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart BBBB.<br>SO2 Outlet Monitoring Type = No $SO_2$ monitoring.<br>Heat Input Capacity = Heat input capacity is greater than or equal to 30 MMBtu/hr (8.7 MW) but less than or equal to 75 MMBtu/hr (22 MW).<br>Technology Type = None.<br>D-Series Fuel Type = Natural gas.<br>ACF Option - SO2 = Other ACF or no ACF. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | ACF Option - PM = Other ACF or no ACF.<br>30% Coal Duct Burner = The facility does not combust coal in a duct burner as part of a combined cycle system; or more than 30% of the heat is from combustion of coal and less than 70% is from exhaust gases entering the duct burner. | |
| 07BLR_001 | 40 CFR Part 63, Subpart DDDDD | 63DDDDD-1 | Construction/Reconstruction Date = Construction or reconstruction began after June 4, 2010.<br>HEAT INPUT CAPACITY = RATED HEAT INPUT CAPACITY OF GREATER THAN 10 MMBTU/HR BUT LESS THAN 100 MMBTU/HR | |
| 07BLR_002 | 40 CFR Part 60, Subpart Dc | 60DC-1 | Construction/Modification Date = After February 28, 2005.<br>PM Monitoring Type = No particulate monitoring.<br>Maximum Design Heat Input Capacity = Maximum design heat input capacity is greater than or equal to 10 MMBtu/hr (2.9 MW) but less than or equal to 100 MMBtu (29 MW).<br>SO2 Inlet Monitoring Type = No $SO_2$ monitoring.<br>Other Subparts = The facility is not covered under 40 CFR Part 60, Subparts AAAA or KKKK, or under an approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart BBBB.<br>SO2 Outlet Monitoring Type = No $SO_2$ monitoring.<br>Heat Input Capacity = Heat input capacity is greater than or equal to 30 MMBtu/hr (8.7 MW) but less than or equal to 75 MMBtu/hr (22 MW).<br>Technology Type = None.<br>D-Series Fuel Type = Natural gas.<br>ACF Option - SO2 = Other ACF or no ACF.<br>ACF Option - PM = Other ACF or no ACF.<br>30% Coal Duct Burner = The facility does not combust coal in a duct burner as part of a combined cycle system; or more than 30% of the heat is from combustion of coal and less than 70% is from exhaust gases entering the duct burner. | |
| 07BLR_002 | 40 CFR Part 63, Subpart DDDDD | 63DDDDD-1 | Construction/Reconstruction Date = Construction or reconstruction began after June 4, 2010.<br>HEAT INPUT CAPACITY = RATED HEAT INPUT CAPACITY OF GREATER THAN 10 MMBTU/HR BUT LESS THAN 100 MMBTU/HR | |
| B-4901 | 30 TAC Chapter 117, Subchapter B | R7100-2000 | Unit Type = Other industrial, commercial, or institutional boiler.<br>Maximum Rated Capacity = MRC is less than 40 MMBtu/hr. | |
| B-4901 | 40 CFR Part 60, Subpart D | 60D | Construction/Modification Date = After September 18, 1978.<br>Covered Under Subpart Da = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da.<br>Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit.<br>Heat Input Rate = Heat input rate is less than or equal to 250 MMBtu/hr (73 MW). | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| B-4901 | 40 CFR Part 60, Subpart Db | 60Db | Construction/Modification Date = On or after November 25, 1986, and on or before July 9, 1997.<br>Heat Input Capacity = Heat input capacity is less than or equal to 100 MMBtu/hr (29 MW).<br>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da. | |
| B-4901 | 40 CFR Part 60, Subpart Dc | 60Dc | Construction/Modification Date = After June 9, 1989 but on or before February 28, 2005.<br>Maximum Design Heat Input Capacity = Maximum design heat input capacity is less than 10 MMBtu/hr (2.9 MW). | |
| B-4901 | 40 CFR Part 63, Subpart DDDDD | 63DDDDD-1 | Construction/Reconstruction Date = Construction or reconstruction began on or before June 4, 2010. | -- Affected Pollutant - 112(B) HAPS:<br>The rule citations were determined from an analysis of the rule text and the basis of determination. |
| B-4902 | 30 TAC Chapter 117, Subchapter B | R7100-2000 | Unit Type = Other industrial, commercial, or institutional boiler.<br>Maximum Rated Capacity = MRC is less than 40 MMBtu/hr. | |
| B-4902 | 40 CFR Part 60, Subpart D | 60D | Construction/Modification Date = After September 18, 1978.<br>Covered Under Subpart Da = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da.<br>Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit.<br>Heat Input Rate = Heat input rate is less than or equal to 250 MMBtu/hr (73 MW). | |
| B-4902 | 40 CFR Part 60, Subpart Db | 60Db | Construction/Modification Date = On or after November 25, 1986, and on or before July 9, 1997.<br>Heat Input Capacity = Heat input capacity is less than or equal to 100 MMBtu/hr (29 MW).<br>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da. | |
| B-4902 | 40 CFR Part 60, Subpart Dc | 60Dc | Construction/Modification Date = On or before June 9, 1989. | |
| B-4902 | 40 CFR Part 63, Subpart DDDDD | 63DDDDD-2 | Construction/Reconstruction Date = Construction or reconstruction began on or before June 4, 2010. | -- Affected Pollutant - VOC:<br>The rule citations were determined from an analysis of the rule text and the basis of determination. |
| B-4903 | 30 TAC Chapter 117, Subchapter B | R7100-2000 | Unit Type = Other industrial, commercial, or institutional boiler.<br>Maximum Rated Capacity = MRC is less than 40 MMBtu/hr. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| B-4903 | 40 CFR Part 60, Subpart D | 60D | Construction/Modification Date = After September 18, 1978.<br>Covered Under Subpart Da = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da.<br>Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit.<br>Heat Input Rate = Heat input rate is less than or equal to 250 MMBtu/hr (73 MW). | |
| B-4903 | 40 CFR Part 60, Subpart Db | 60Db | Construction/Modification Date = On or after November 25, 1986, and on or before July 9, 1997.<br>Heat Input Capacity = Heat input capacity is less than or equal to 100 MMBtu/hr (29 MW).<br>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da. | |
| B-4903 | 40 CFR Part 60, Subpart Dc | 60Dc | Construction/Modification Date = After June 9, 1989 but on or before February 28, 2005.<br>Maximum Design Heat Input Capacity = Maximum design heat input capacity is less than 10 MMBtu/hr (2.9 MW). | |
| B-4903 | 40 CFR Part 63, Subpart DDDDD | 63DDDDD-3 | Construction/Reconstruction Date = Construction or reconstruction began on or before June 4, 2010. | -- Affected Pollutant - 112(B) HAPS:<br>The rule citations were determined from an analysis of the rule text and the basis of determination. |
| 721 | 30 TAC Chapter 111, Visible Emissions | R1111-001 | Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.<br>Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions. | |
| 721 | 40 CFR Part 60, Subpart A | 60A-001 | Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.<br>Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4).<br>Flare Assist Type = Air-assisted | |
| 721 | 40 CFR Part 63, Subpart A | 63A-001 | Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.<br>Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).<br>Flare Assist Type = Air assisted | |
| 858 | 30 TAC Chapter 111, Visible Emissions | R1111-001 | Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.<br>Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions. | |
| 858 | 40 CFR Part 63, Subpart A | 63A-002 | Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).<br>Flare Assist Type = Non-assisted<br>Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec) | |
| LPFUG | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | R5352-1 | Agitators = The fugitive unit contains agitators.<br>Components Utilizing Alternative Work Practice in § 115.358 = No components in the fugitive unit are using the alternative work practice under § 115.358.<br>Compressor Seals = The fugitive unit contains compressor seals.<br>Flanges = The fugitive unit contains flanges.<br>Open-ended Valves = The fugitive unit contains open-ended valves.<br>Pressure Relief Valves = The fugitive unit contains pressure relief valves.<br>Process Drains = The fugitive unit has process drains.<br>Pump Seals = The fugitive unit contains pump seals.<br>Rupture Disks = The fugitive unit has pressure relief valves equipped with rupture disks.<br>Title 30 TAC § 115.352 Applicable = Site is a petroleum refinery, synthetic organic chemical, polymer resin or methyl tert-butyl ether manufacturing process or a natural gas/gasoline processing operation as defined in 30 TAC 115.10.<br>Valves (other than pressure relief and open-ended) = The fugitive unit contains valves other than pressure relief valves or open-ended valves or lines.<br>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement or exemption criteria for process drains or no alternate has been requested.<br>Instrumentation Systems = The fugitive unit has instrumentation systems, as defined in 40 CFR § 63.161, that meet 40 CFR § 63.169.<br>Less Than 250 Components at Site = Fugitive unit not located at site with less than 250 fugitive components.<br>Sampling Connection Systems = The fugitive unit has sampling connection systems, as defined in 40 CFR § 63.161, that meet 40 CFR § 63.169.<br>Weight Percent VOC = Components in the fugitive unit contact process fluids that contain less than 10% VOC by weight and process fluids that contains VOC at 10%, or greater, by weight.<br>50% by Volume = Compressors are not in hydrogen service or are in hydrogen service and the hydrogen content cannot be reasonably expected to always exceed 50% by volume.<br>Complying with § 115.352(1) = Valves are complying with § 115.352(1).<br>Complying WIth § 115.352(1) = Agitators are complying with § 115.352(1).<br>Complying with 30 TAC § 115.352(1) = Process drains are complying with the requirements in 30 TAC § 115.352(1).<br>Reciprocating Compressors Or Positive Displacement Pumps = The fugitive unit has reciprocating compressors or positive displacement pumps used in natural gas/gasoline processing operations. | -- Affected Pollutant - VOC:<br><u>For process drains with VOC TVP <= 0.044 psia:</u><br><u>Related Standard</u> - § 115.352(10) was removed because this citation is for HRVOCs, which is not applicable to Beaumont/Port Arthur area.<br><u>Monitoring/Testing</u> - §115.354(1)(A) was added as applicable.<br><u>Recordkeeping</u> – Deleted grouped citation [G]§ 115.356(2) and added § 115.356(2), § 115.356(2)(A), § 115.356(2)(B), [G]§ 115.356(2)(E), and § 115.356(2)(F).<br>Added grouped Recordkeeping [G]§ 115.356(3) and deleted § 115.356(3), §115.356(3)(B) and [G]§ 115.356(3)(C) instead.<br><u>For process drains with VOC TVP < 0.044 psia:</u><br><u>Related Standard</u> - § 115.352(10) was removed because this citation is for HRVOCs, which is not applicable to Beaumont/Port Arthur area.<br><u>Monitoring/Testing</u> – Grouped citation §[G]§ 115.354(1) was added.<br><u>For pressure relief valves with VOC TVP <= 0.044</u><br><u>Related Standard</u> – Deleted §115.352(10) for HRVOCs. This not applicable to Beaumont/Port Arthur Area.<br><u>Monitoring/Testing</u> - [G]§ 115.354(7) was deleted because this applies only to pressure relief valves in gaseous service.<br><u>Recordkeeping</u> – Deleted grouped citation [G]§ 115.356(2) and added § 115.356(2), § 115.356(2)(A), § 115.356(2)(B), § 115.356(2)(C), [G]§ 115.356(2)(E), and § 115.356(2)(F).<br>Added grouped Recordkeeping [G]§ 115.356(3) and deleted § 115.356(3) and [G]§ |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Shaft Seal System = Pump seals are equipped with a shaft seal system that prevents or detects emission of VOC from the seal.<br><br>TVP 0.002 PSIA or Less = The fugitive unit has components or systems that contact a process fluid containing VOC having a true vapor pressure less than or equal to 0.002 psia at 68 degrees Fahrenheit.<br><br>Shaft Seal System = Compressors are equipped with a shaft sealing system that prevents or detects emission of VOC from the seal.<br><br>TVP of Process Fluid VOC <= 0.044 psia at 68° F = No agitators contact a process fluid with a TVP less than or equal to 0.044 psia at 68° F.<br><br>TVP of Process Fluid VOC <= 0.044 psia at 68° F = Pressure relief valves contact a process fluid with a TVP of less than or equal to 0.044 psia at 68° F.<br><br>TVP of Process Fluid VOC <= 0.044 PSIA AT 68° F = Process drains contact a process fluid containing VOC having a true vapor pressures less than or equal to 0.044 psia at 68 degrees Fahrenheit.<br><br>TVP of Process Fluid VOC <= 0.044 PSIA AT 68• ° F = Pump seals contact a process fluid containing VOC having a true vapor pressures less than or equal to 0.044 psia at 68 degrees Fahrenheit.<br><br>Complying with 30 TAC § 115.352(1) = Pump seals are complying with the requirements in 30 TAC § 115.352(1).<br><br>TVP of Process Fluid VOC <= 0.044 PSIA AT 68• ° F = Compressor seals do not contact a process fluid containing VOC having a true vapor pressures less than or equal to 0.044 psia at 68 degrees Fahrenheit.<br><br>TVP of Process Fluid VOC > 0.044 psia at 68° F = Pressure relief valves contact a process fluid with a TVP > 0.044 psia at 68° F.<br><br>TVP of Process Fluid VOC > 0.044 PSIA AT 68° F = Open-ended valves contact a process fluid containing VOC having a TVP greater than 0.044 psia at 68 degrees Fahrenheit.<br><br>Complying with § 115.352(1) = Compressor seals are complying with the requirements in 30 TAC § 115.352(1). | 115.356(3)(C) instead.<br><br>Reporting – [G]§ 115.354(7) was deleted because this applies only to pressure relief valves in gaseous service.<br><br>For pressure relief valves with VOC TVP > 0.044 psia:<br><br>Related Standard – Deleted § 115.352(10) because this is for HRVOCs which is not applicable to Beaumont/Port Arthur area.<br><br>Monitoring/Testing – Deleted [G]§ 115.354(7) because this applies only to pressure relief valves in gaseous service.<br><br>Monitoring/Testing - Added § 115.354(1)(B), § 115.354(1)(C), § 115.354(2)(D)<br><br>Recordkeeping – Added grouped [G]§ 115.356(3) and deleted § 115.356(3), § 115.356(3)(A), § 115.356(3)(B) and [G]§ 115.356(3)(C) instead.<br><br>Reporting – Deleted [G]§ 115.354(7) because as this applies only to pressure relief valves in gaseous service.<br><br>For open-ended valves with VOC TVP <= 0.044 psia:<br><br>Related Standard – Deleted § 115.352(10) because this is for HRVOCs which is not applicable to Beaumont/Port Arthur area<br><br>Monitoring/Testing – Deleted § 115.354(2) and [G]§ 115.354(7) because) as this applies only to pressure relief valves in gaseous service.<br><br>Added Monitoring/Testing § 115.354(1)(A), §115.354(1)(B)<br><br>Recordkeeping – Deleted grouped [G]§ 115.356(2) and added § 115.356(2), § 115.356(2)(A), § 115.356(2)(B), § 115.356(2)(C), [G]§ 115.356(2)(E), and § 115.356(2)(F) instead.<br><br>Added grouped Recordkeeping [G]§ 115.356(3) and deleted § 115.356(3) and [G]§ 115.356(3)(C) instead.<br><br>Reporting – Deleted [G]§ 115.354(7) because this applies only to pressure relief valves in gaseous service.<br><br>For open-ended valves with VOC TVP > 0.044 psia:<br><br>Related Standard – Deleted § 115.352(10) because this is for HRVOCs which is not |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | | applicable to Beaumont/Port Arthur area<br><br>Monitoring/Testing – Added § 115.354(1)(A) and §115.354(1)(B).<br><br>Deleted Monitoring/Testing [G]§ 115.354(7) and §115.354(2) because these apply only to pressure relief valves in gaseous service.<br><br>Recordkeeping – Added grouped [G]§ 115.356(3) and deleted § 115.356(3), § 115.356(3)(A), § 115.356(3)(B) and [G]§ 115.356(3)(C) instead.<br><br>Reporting - [G]§ 115.354(7) was deleted because this applies only to pressure relief valves in gaseous service.<br><br>For valves with VOC TVP < = 0.044 psia:<br><br>Deleted Related Standard § 115.352(10) because this is for HRVOCs which is not applicable to Beaumont/Port Arthur area<br><br>Added Monitoring/Testing § 115.354(1)(B), § 115.354(1)(C), § 115.354(2)(C)<br><br>Deleted Monitoring/Testing [G]§ 115.354(7) because this applies only to pressure relief valves in gaseous service.<br><br>Added grouped Recordkeeping [G]§ 115.356(3) and deleted § 115.356(3) and [G]§ 115.356(3)(C) instead.<br><br>Deleted Reporting [G]§ 115.354(7) because this applies only to pressure relief valves in gaseous service.<br><br>For valves with VOC TVP > 0.044 psia:<br><br>Deleted Related Standard § 115.352(10) because this is for HRVOCs which is not applicable to Beaumont/Port Arthur area<br><br>Added Monitoring/Testing § 115.354(1)(B), § 115.354(1)(C) and § 115.354(2)(C).<br><br>Deleted Monitoring/Testing [G]§ 115.354(7) because this applies only to pressure relief valves in gaseous service.<br><br>Added grouped Recordkeeping [G]§ 115.356(3) and deleted § 115.356(3), § 115.356(3)(A), § 115.356(3)(B) and [G]§ 115.356(3)(C) instead.<br><br>Deleted Reporting [G]§ 115.354(7) because this applies only to pressure relief valves in gaseous service.<br><br>For flanges with VOC TVP < = 0.044 psia:<br><br>Deleted Related Standard § 115.352(10) |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | | because this is for HRVOCs which is not applicable to Beaumont/Port Arthur area<br>Added Monitoring/Testing § 115.354(1)(B) and § 115.354(1)(C)<br>Deleted Monitoring/Testing [G]§ 115.357(1) because facilities in Beaumont-Port Arthur Area are exempt from this rule.<br>Added grouped Recordkeeping [G]§ 115.356(3) and deleted § 115.356(3), § 115.356(3)(A), § 115.356(3)(B), [G]§ 115.356(3)(C) instead.<br><u>For flanges with VOC TVP > 0.044 psia:</u><br>Deleted Related Standard § 115.352(10) because this is for HRVOCs which is not applicable to Beaumont/Port Arthur area<br>Added Monitoring/Testing § 115.354(1)(B) and § 115.354(1)(C)<br>Added grouped Recordkeeping [G]§ 115.356(3) and deleted § 115.356(3), § 115.356(3)(A), § 115.356(3)(B), [G]§ 115.356(3)(C) instead<br><u>For agitators with VOC TVP > 0.044 psia:</u><br>Deleted Related Standard § 115.352(10) because this is for HRVOCs which is not applicable to Beaumont/Port Arthur area<br>Deleted Related Standard and Monitoring/Testing §115.357(1) because facilities in Beaumont-Port Arthur Area are exempt from this rule.<br>Added grouped Recordkeeping [G]§ 115.356(3) and deleted § 115.356(3), § 115.356(3)(A), § 115.356(3)(B) and [G]§ 115.356(3)(C) instead.<br><u>For compressor seals with shaft sealing system:</u><br>Deleted Related Standard § 115.352(10) because this is for HRVOCs which is not applicable to Beaumont/Port Arthur area<br>Deleted grouped Recordkeeping [G]§ 115.356(2) and added § 115.356(2), § 115.356(2)(A), § 115.356(2)(B) instead.<br>Added grouped Recordkeeping [G]§ 115.356(3) and deleted § 115.356(3) and [G]§ 115.356(3)(C) instead.<br><u>For compressor seals with VOC TVP > 0.044 psia:</u> |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | | Deleted Related Standard § 115.352(10) because this is for HRVOCs which is not applicable to Beaumont/Port Arthur area<br><br>Added Monitoring/Testing § 115.354(1)(B), § 115.354(1)(C) and § 115.354(2)(A)<br><br>Added grouped Recordkeeping [G]§ 115.356(3) and e § 115.356(3), § 115.356(3)(A), § 115.356(3)(B), [G]§ 115.356(3)(C) instead.<br><br><u>For pump seals with shaft sealing system:</u><br><br>Deleted Related Standard § 115.352(10) because this is for HRVOCs which is not applicable to Beaumont/Port Arthur area<br><br>Deleted grouped Recordkeeping [G]§ 115.356(2) and added § 115.356(2), § 115.356(2)(A), § 115.356(2)(B), [G]§ 115.356(2)(E), § 115.356(2)(F) instead.<br><br>Added grouped Recordkeeping [G]§ 115.356(3) and deleted § 115.356(3) and [G]§ 115.356(3)(C) instead.<br><br><u>For pump seals with VOC TVP < 0.044 psia:</u><br><br>Deleted Related Standard § 115.352(10) because this is for HRVOCs which is not applicable to Beaumont/Port Arthur area<br><br>Added Monitoring/Testing § 115.354(1)(B), § 115.354(1)(C) and § 115.354(2)(B).<br><br>Deleted grouped Recordkeeping [G]§ 115.356(2) and added § 115.356(2), § 115.356(2)(A), § 115.356(2)(B), [G]§ 115.356(2)(E), § 115.356(2)(F) instead.<br><br>Added grouped Recordkeeping [G]§ 115.356(3) and deleted § 115.356(3) and [G]§ 115.356(3)(C) instead.<br><br><u>For pump seals with VOC TVP > 0.044 psia:</u><br><br>Deleted Related Standard § 115.352(10) because this is for HRVOCs which is not applicable to Beaumont/Port Arthur area<br><br>Added Monitoring/Testing § 115.354(1)(B), § 115.354(1)(C), § 115.354(2)(B)<br><br>Added grouped Recordkeeping [G]§ 115.356(3) and deleted § 115.356(3), § 115.356(3)(A), § 115.356(3)(B), and [G]§ 115.356(3)(C) instead. |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| LPFUG | 40 CFR Part 60, Subpart DDD | 60DDD-ALL | SOP Index No. = Owner of operator assumes fugitive control requirements for all components in VOC service subject to 40 CFR Part 60, Subpart DDD with no alternate control or control device.<br>FLANGES AND OTHER CONNECTORS (ANY SERVICE) [NSPS DDD] = FLANGES OR CONNECTORS IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT.<br>FLARE = USING A FLARE FOR CONTROL<br>MANUFACTURED PRODUCT [NSPS DDD] = POLYPROPYLENE OR POLYETHYLENE<br>OPEN-ENDED VALVES OR LINES (ANY SERVICE) [NSPS DDD] = OPEN-ENDED VALVES OR LINES IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT.<br>PRESSURE RELIEF DEVICES IN GAS/VAPOR SERVICE [NSPS DDD] = PRESSURE RELIEF DEVICES IN GAS/VAPOR SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT.<br>PUMPS IN LIGHT LIQUID SERVICE [NSPS DDD] = PUMPS IN LIGHT LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT.<br>VALVES IN GAS/VAPOR OR LIGHT LIQUID SERVICE [NSPS DDD] = VALVES IN GAS/VAPOR OR LIGHT LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT.<br>VAPOR RECOVERY SYSTEM = NOT USING A VAPOR RECOVERY SYSTEM FOR CONTROL<br>CONTINUOUS PROCESS [NSPS DDD] = THE AFFECTED FACILITY IS A CONTINUOUS PROCESS<br>EEL = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).<br>EQUIVALENT EMISSION LIMITATION (EEL)--FLANGES AND OTHER CONNECTORS [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).<br>EQUIVALENT EMISSION LIMITATION (EEL)--OPEN-ENDED VALVES OR LINES [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).<br>EQUIVALENT EMISSION LIMITATION (EEL)--PUMPS LIGHT LIQUID SERVICE [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).<br>40 CFR 60 (NSPS) SUBPART DDD CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE = AFTER JANUARY 10, 1989<br>EQUIVALENT EMISSION LIMITATION (EEL)--VALVES GAS/VAPOR, LIGHT LIQUID SVC [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).<br>COMPLYING WITH § 60.482-2 = YES<br>COMPLYING WITH § 60.482-6 = YES<br>COMPLYING WITH § 60.482-8 = YES<br>COMPLYING WITH §60.482-10 = YES<br>VOC Service = None of the equipment comes into contact with a fluid containing < 10% by weight VOC.<br>40 CFR 60 (NSPS) SUBPART DDD DESIGN CAPACITY = FACILITY HAS DESIGN CAPACITY TO PRODUCE GREATER THAN OR EQUAL TO 1,000 MEGAGRAMS PER YEAR | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | CLOSED VENT SYSTEMS AND CONTROL DEVICES (ANY SERVICE) [NSPS DDD] = CLOSED VENT SYSTEM AND CONTROL DEVICES IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT.<br>COMPLYING WITH § 60.482-7 = YES<br>COMPLYING WITH § 60.482-8 = YES<br>COMPRESSORS (ANY SERVICE) [NSPS DDD] = COMPRESSORS IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT.<br>PUMPS IN HEAVY LIQUID SERVICE [NSPS DDD] = PUMPS IN HEAVY LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT.<br>ENCLOSED COMBUSTION DEV. = NOT USING AN ENCLOSED COMBUSTION DEVICE FOR CONTROL<br>EQUIPMENT IN VACUUM SERVICE = YES<br>EQUIVALENT EMISSION LIMITATION (EEL)-[NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).<br>EQUIVALENT EMISSION LIMITATION (EEL)--COMPRESSORS [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).<br>EQUIVALENT EMISSION LIMITATION (EEL)--PUMPS HEAVY LIQUID SERVICE [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).<br>SAMPLING CONNECTION SYSTEMS (ANY SERVICE) [NSPS DDD] = SAMPLING CONNECTION SYSTEMS IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT.<br>VALVES IN HEAVY LIQUID SERVICE [NSPS DDD] = VALVES IN HEAVY LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT.<br>EQUIVALENT EMISSION LIMITATION (EEL)--SAMPLING CONNECTION SYSTEMS [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).<br>EQUIVALENT EMISSION LIMITATION (EEL)--VALVES HEAVY LIQUID SERVICE [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).<br>COMPLYING WITH § 60.482-3 = YES<br>COMPLYING WITH § 60.482-8 = YES<br>COMPLYING WITH §60.482-10 = YES<br>COMPLYING WITH § 60.482-5 = YES<br>COMPLYING WITH § 60.482-8 = YES | |
| LPFUG | 40 CFR Part 63, Subpart FFFF | LPFFFF-1 | Existing Source = Fugitive unit contains equipment in an existing Miscellaneous Chemical Processing Unit. | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| 07CTL_001 | 40 CFR Part 63, Subpart FFFF | 63FFFF-6 | Monitoring = The cooling water is being monitored for the presence of HAPs or other representative substances that would indicate a leak. | |
| 07CTL_001 | 40 CFR Part 63, Subpart Q | 63Q | Used Compounds Containing Chromium on or After September 8, 1994 = The industrial process cooling tower has not used compounds containing chromium on or after September 8, 1994. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| F701 | 40 CFR Part 63, Subpart Q | 63Q | Used Compounds Containing Chromium on or After September 8, 1994 = The industrial process cooling tower has not used compounds containing chromium on or after September 8, 1994. | |
| 07CMNHP | 30 TAC Chapter 115, Vent Gas Controls | R5121-10 | Alternate Control Requirement = Alternate control is not used.<br>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.<br>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.<br>Control Device Type = Smokeless flare<br>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule. | |
| 07CMNLP | 30 TAC Chapter 115, Vent Gas Controls | R5121-8 | Alternate Control Requirement = Alternate control is not used.<br>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.<br>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.<br>Control Device Type = Smokeless flare<br>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule. | |
| 07CMNLP | 30 TAC Chapter 115, Vent Gas Controls | R5121-9 | Alternate Control Requirement = Alternate control is not used.<br>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.<br>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.<br>Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).<br>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule. | |
| 07CMNLP | 40 CFR Part 63, Subpart FFFF | 63FFFF-3 | Designated Grp1 = The emission stream is designated as Group 1.<br>Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a non-flare CD is being used to meet a ppmv standard per § 63.2455(a) - Table 1.1.a.i.<br>Hal Device Type = No halogen scrubber or other halogen reduction device is used.<br>Meets 63.988(b)(2) = The control device does not meet the criteria in § 63.985(b)(2). | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Small Device = A small control device (defined in § 63.2550) is not being used.<br>Designated Hal = The emission stream is not designated as halogenated.<br>Prior Eval = The data from a prior evaluation or assessment is not used.<br>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver is requested.<br>Determined Hal = The emission stream is determined to be non-halogenated.<br>Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.<br>Formaldehyde = The stream does not contain formaldehyde.<br>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.<br>Bypass Line = Bypass lines are monitored by flow indicators.<br>CEMS = A CEMS is not used.<br>SS Device Type = Incinerator other than a catalytic incinerator. | |
| 07CMNLP | 40 CFR Part 63, Subpart FFFF | 63FFFF-4 | Designated Grp1 = The emission stream is designated as Group 1.<br>Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a flare is being used for control.<br>Designated Hal = The emission stream is not designated as halogenated.<br>Determined Hal = The emission stream is determined to be non-halogenated.<br>Prior Eval = The data from a prior evaluation or assessment is not used.<br>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or a waiver has not been requested.<br>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.<br>Bypass Line = No bypass lines. | |
| 07VNT_001 | 30 TAC Chapter 115, Vent Gas Controls | R5121-11 | Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.<br>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.<br>Vent Type = Vent gas stream emissions of ethylene associated with the formation, handling, and storage of solidified low-density polyethylene in which no more than 1.1 pounds of ethylene per 1,000 pounds of product are emitted.<br>VOC Concentration/Emission Rate @ Max Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected. | |
| 721V | 30 TAC Chapter 115, | R5121-8 | Alternate Control Requirement = Alternate control is not used. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | Vent Gas Controls | | Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.<br>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.<br>Control Device Type = Smokeless flare<br>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule. | |
| 858V | 30 TAC Chapter 115, Vent Gas Controls | R5121-8 | Alternate Control Requirement = Alternate control is not used.<br>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.<br>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.<br>Control Device Type = Smokeless flare<br>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule. | |
| GRPFINVNT | 30 TAC Chapter 115, Vent Gas Controls | R5121-11 | Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.<br>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.<br>Vent Type = Vent gas stream emissions of ethylene associated with the formation, handling, and storage of solidified low-density polyethylene in which no more than 1.1 pounds of ethylene per 1,000 pounds of product are emitted.<br>VOC Concentration/Emission Rate @ Max Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected. | |
| GRPFINVNT | 40 CFR Part 63, Subpart FFFF | 63FFFF-5 | Emission Standard = The vent stream is Group 2 (not designated as Group 1 and determined to not be Group 1).<br>Recovery Device = The TRE index is maintained without a recovery device. | |
| GRPFTO | 30 TAC Chapter 111, Visible Emissions | R1111-002 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.<br>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3). | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |
| GRPLPVENT4 | 30 TAC Chapter 115, Vent Gas Controls | R5121-4 | Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.<br>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.<br>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration/Emission Rate @ Max Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected. | -- Affected Pollutant - VOC:<br>Monitoring/Testing – Ungrouped [G]§ 115.125(1) to remove non-applicable §115.125(3) since the vent stream is exempt from control requirements. Added §115.125(1), [G]§115.125(2), §115.125(4) and §115.125(5) as applicable for Monitoring/Testing. |
| GRPLPVENT6 | 30 TAC Chapter 115, Vent Gas Controls | R5121-4 | Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.<br>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.<br>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration/Emission Rate @ Max Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected. | -- Affected Pollutant - VOC:<br>Monitoring/Testing – Ungrouped [G]§ 115.125(1) to remove non-applicable §115.125(3) since the vent stream is exempt from control requirements. Added §115.125(1), [G]§115.125(2), §115.125(4) and §115.125(5) as applicable for Monitoring/Testing. |
| GRPLPVENT8 | 30 TAC Chapter 115, Vent Gas Controls | R5121-4 | Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.<br>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.<br>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration/Emission Rate @ Max Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating | -- Affected Pollutant - VOC:<br>Monitoring/Testing – Ungrouped [G]§ 115.125(1) to remove non-applicable §115.125(3) since the vent stream is exempt from control requirements. Added §115.125(1), [G]§115.125(2), §115.125(4) and §115.125(5) as applicable for Monitoring/Testing. |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected. | |
| GRPLPVENT9 | 30 TAC Chapter 115, Vent Gas Controls | R5121-4 | Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.<br>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.<br>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration/Emission Rate @ Max Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected. | -- Affected Pollutant - VOC:<br>Monitoring/Testing – Ungrouped [G]§ 115.125(1) to remove non-applicable §115.125(3) since the vent stream is exempt from control requirements. Added §115.125(1), [G]§115.125(2), §115.125(4) and §115.125(5) as applicable for Monitoring/Testing. |
| GRPSTORVNT | 30 TAC Chapter 115, Vent Gas Controls | R5121-11 | Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.<br>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.<br>Vent Type = Vent gas stream emissions of ethylene associated with the formation, handling, and storage of solidified low-density polyethylene in which no more than 1.1 pounds of ethylene per 1,000 pounds of product are emitted.<br>VOC Concentration/Emission Rate @ Max Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected. | |
| LINE 45 | 40 CFR Part 63, Subpart FFFF | 63FFFF-G1CPV | Designated Grp1 = The emission stream is designated as Group 1.<br>Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a flare is being used for control.<br>Designated Hal = The emission stream is not designated as halogenated.<br>Determined Hal = The emission stream is determined to be non-halogenated.<br>Prior Eval = The data from a prior evaluation or assessment is not used.<br>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or a waiver has not been requested.<br>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.<br>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration. | Related Standard - §63.11(b) was removed as this is already referenced in MACTSS §63.987(a).<br>§63.2450(b) was deleted as there are no halogenated compounds at the site.<br>§63.2470(c)(2) and §63.2450(e)(2) were added as applicable to closed vent systems.<br>Monitoring/Testing – [G]§ 63.115(d)(2)(v) and §63.115(d)(3)(iii) were deleted as there are no halogenated compounds at the site.<br>§63.997(c)(3)(ii) was removed because flare was not used to replace an existing final recovery device. |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | | Recordkeeping – [G]§63.998(b)(5) was removed because applicant is not using alternative recordkeeping.<br>§63.998(d)(5) was removed because this citation is not applicable to streams controlled in a flare. There are no monitored parameter ranges for flares.<br>Reporting – §63.2450(q) was removed because stream does not contain energetics or organic peroxides.<br>§63.999(c)(6), §63.999(c)(6)(i), §63.999(c)(6)(iv) were removed because these citations are applicable to process vents and not closed vent systems.<br>[G]§63.999(d)(1) and [G]§63.999(d)(2) were remove because applicant will not be requesting alternative monitoring.<br>All other citations were removed from unit LINE 45 because they are flare citations and were added to the flare instead. |
| LINE 60 | 40 CFR Part 63, Subpart FFFF | 63FFFF-G1CPV | Designated Grp1 = The emission stream is designated as Group 1.<br>Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a flare is being used for control.<br>Designated Hal = The emission stream is not designated as halogenated.<br>Determined Hal = The emission stream is determined to be non-halogenated.<br>Prior Eval = The data from a prior evaluation or assessment is not used.<br>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or a waiver has not been requested.<br>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.<br>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration. | Related Standard - §63.11(b) was removed as this is already referenced in MACTSS §63.987(a).<br>§63.2450(b) was deleted as there are no halogenated compounds at the site.<br>§63.2470(c)(2) and §63.2450(e)(2) were added as applicable to closed vent systems.<br>Monitoring/Testing – [G]§ 63.115(d)(2)(v) and §63.115(d)(3)(iii) were deleted as there are no halogenated compounds at the site.<br>§63.997(c)(3)(ii) was removed because flare was not used to replace an existing final recovery device.<br>Recordkeeping – [G]§63.998(b)(5) was removed because applicant is not using alternative recordkeeping.<br>§63.998(d)(5) was removed because this citation is not applicable to streams controlled in a flare. There are no monitored parameter ranges for flares.<br>Reporting – §63.2450(q) was removed because stream does not contain energetics or peroxides.<br>§63.999(c)(6), §63.999(c)(6)(i), §63.999(c)(6)(iv) were removed because these citations are applicable to process vents and not closed vent systems. |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | | [G]§63.999(d)(1) and [G]§63.999(d)(2) were remove because applicant will not be requesting alternative monitoring.<br>All other citations were removed from unit LINE 60 because they are flare citations and were added to the flare instead. |
| LINE44 | 40 CFR Part 63, Subpart FFFF | 63FFFF-G1CPV | Designated Grp1 = The emission stream is designated as Group 1.<br>Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a flare is being used for control.<br>Designated Hal = The emission stream is not designated as halogenated.<br>Determined Hal = The emission stream is determined to be non-halogenated.<br>Prior Eval = The data from a prior evaluation or assessment is not used.<br>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or a waiver has not been requested.<br>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.<br>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration. | Related Standard - §63.11(b) was removed as this is already referenced in MACTSS §63.987(a).<br>§63.2450(b) was deleted as there are no halogenated compounds at the site.<br>§63.2470(c)(2) and §63.2450(e)(2) were added as applicable to closed vent systems.<br>Monitoring/Testing – [G]§ 63.115(d)(2)(v) and §63.115(d)(3)(iii) were deleted as there are no halogenated compounds at the site.<br>§63.997(c)(3)(ii) was removed because flare was not used to replace an existing final recovery device.<br>Recordkeeping – [G]§63.998(b)(5) was removed because applicant is not using alternative recordkeeping.<br>§63.998(d)(5) was removed because this citation is not applicable to streams controlled in a flare. There are no monitored parameter ranges for flares.<br>Reporting – §63.2450(q) was removed because stream does not contain energetics or peroxides.<br>§63.999(c)(6), §63.999(c)(6)(i), §63.999(c)(6)(iv) were removed because these citations are applicable to process vents and not closed vent systems.<br>[G]§63.999(d)(1) and [G]§63.999(d)(2) were remove because applicant will not be requesting alternative monitoring.<br>All other citations were removed from unit LINE44 because they are flare citations and were added to the flare instead. |
| GRPSTORVNT | 40 CFR Part 60, Subpart DDD | 60DDD-CVU1 | Control of Continuous Emissions = Vent gas stream emissions are not controlled with an existing control device (as defined in 40 CFR § 60.561).<br>Manufactured Product = Polypropylene or polyethylene.<br>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.<br>Continuous Process = The affected facility process is continuous. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Process Emissions = Individual vent gas streams emit continuous emissions.<br>Construction/Modification Date = After January 10, 1989.<br>Uncontrolled Annual Emissions = Uncontrolled annual emissions are less than 1.6 Mg/yr (1.76 tpy).<br>Experimental Process Line = The affected facility is a production process line.<br>Weight Percent TOC = Weight percent of total organic compounds is less than 0.10%. | |
| PROLPMR | 40 CFR Part 60, Subpart DDD | 60DDD-CVCF | Control of Continuous Emissions = All continuous emissions are controlled in an existing control device (as defined in 40 CFR § 60.561).<br>Manufactured Product = Polypropylene or polyethylene.<br>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.<br>Continuous Control Device = Flare.<br>Continuous Process = The affected facility process is continuous.<br>Process Emissions = Individual vent gas streams emit continuous emissions.<br>Construction/Modification Date = After January 10, 1989.<br>Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater.<br>Annual Emissions Entering the Control Device = Annual emissions entering the control device are greater than or equal to the calculated threshold emissions levels calculated in Table 3.<br>Experimental Process Line = The affected facility is a production process line.<br>Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater.<br>Table 3 Control Requirements = Calculations from Table 3 require controls.<br>Emission Reduction from Control Device = Existing control device (as defined in 40 CFR § 60.561) reduces emissions by 98 percent or greater, or exit concentration is 20 ppmv or less. | |
| PROLPMR | 40 CFR Part 60, Subpart DDD | 60DDD-IVCF | Emergency Vent = Emissions are not an emergency vent stream from a new, modified, or reconstructed facility.<br>Manufactured Product = Polypropylene or polyethylene.<br>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.<br>Continuous Process = The affected facility process is continuous.<br>Existing Control Device = The vent stream is controlled in an existing control device (as defined in 40 CFR § 60.561) which has not been reconstructed, replaced, or its operating conditions modified as a result of state or local regulations.<br>Process Emissions = Individual vent gas streams emit intermittent emissions.<br>Construction/Modification Date = After January 10, 1989.<br>Experimental Process Line = The affected facility is a production process line. | |
| PROLPPF4AB | 40 CFR Part 60, Subpart DDD | 60DDD-CVCF | Control of Continuous Emissions = All continuous emissions are controlled in an existing control device (as defined in 40 CFR § 60.561).<br>Manufactured Product = Polypropylene or polyethylene. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Continuous Control Device = Flare.<br>Continuous Process = The affected facility process is continuous.<br>Process Emissions = Individual vent gas streams emit continuous emissions.<br>Construction/Modification Date = After January 10, 1989.<br>Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater.<br>Annual Emissions Entering the Control Device = Annual emissions entering the control device are greater than or equal to the calculated threshold emissions levels calculated in Table 3.<br>Experimental Process Line = The affected facility is a production process line.<br>Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater.<br>Table 3 Control Requirements = Calculations from Table 3 require controls.<br>Emission Reduction from Control Device = Existing control device (as defined in 40 CFR § 60.561) reduces emissions by 98 percent or greater, or exit concentration is 20 ppmv or less. | |
| PROLPPF4AB | 40 CFR Part 60, Subpart DDD | 60DDD-CVU1 | Control of Continuous Emissions = Vent gas stream emissions are not controlled with an existing control device (as defined in 40 CFR § 60.561).<br>Manufactured Product = Polypropylene or polyethylene.<br>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.<br>Continuous Process = The affected facility process is continuous.<br>Process Emissions = Individual vent gas streams emit continuous emissions.<br>Construction/Modification Date = After January 10, 1989.<br>Uncontrolled Annual Emissions = Uncontrolled annual emissions are less than 1.6 Mg/yr (1.76 tpy).<br>Experimental Process Line = The affected facility is a production process line.<br>Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater. | |
| PROLPPF4AB | 40 CFR Part 60, Subpart DDD | 60DDD-CVU2 | Control of Continuous Emissions = Vent gas stream emissions are not controlled with an existing control device (as defined in 40 CFR § 60.561).<br>Manufactured Product = Polypropylene or polyethylene.<br>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.<br>Continuous Control Device = Flare.<br>Continuous Process = The affected facility process is continuous.<br>Process Emissions = Individual vent gas streams emit continuous emissions.<br>Construction/Modification Date = After January 10, 1989.<br>Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater.<br>Experimental Process Line = The affected facility is a production process line.<br>Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater.<br>Table 3 Control Requirements = Calculations from Table 3 do not require controls. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| PROLPPF5 | 40 CFR Part 60, Subpart DDD | 60DDD | Manufactured Product = Polypropylene or polyethylene.<br>Continuous Process = The affected facility process is continuous.<br>Construction/Modification Date = On or before September 30, 1987. | |
| PROLPPF6 | 40 CFR Part 60, Subpart DDD | 60DDD | Manufactured Product = Polypropylene or polyethylene.<br>Continuous Process = The affected facility process is continuous.<br>Construction/Modification Date = On or before September 30, 1987. | |
| PROLPPS4AB | 40 CFR Part 60, Subpart DDD | 60DDD | Manufactured Product = Polypropylene or polyethylene.<br>Continuous Process = The affected facility process is continuous.<br>Construction/Modification Date = On or before September 30, 1987. | |
| PROLPPS5 | 40 CFR Part 60, Subpart DDD | 60DDD | Manufactured Product = Polypropylene or polyethylene.<br>Continuous Process = The affected facility process is continuous.<br>Construction/Modification Date = On or before September 30, 1987. | |
| PROLPPS6 | 40 CFR Part 60, Subpart DDD | 60DDD | Manufactured Product = Polypropylene or polyethylene.<br>Continuous Process = The affected facility process is continuous.<br>Construction/Modification Date = On or before September 30, 1987. | |
| PROLPRMP | 40 CFR Part 60, Subpart DDD | 60DDD-CVCF | Control of Continuous Emissions = All continuous emissions are controlled in an existing control device (as defined in 40 CFR § 60.561).<br>Manufactured Product = Polypropylene or polyethylene.<br>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.<br>Continuous Control Device = Flare.<br>Continuous Process = The affected facility process is continuous.<br>Process Emissions = Individual vent gas streams emit continuous emissions.<br>Construction/Modification Date = After September 30, 1987 and on or before January 10, 1989.<br>Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater.<br>Annual Emissions Entering the Control Device = Annual emissions entering the control device are greater than or equal to the calculated threshold emissions levels calculated in Table 3.<br>Experimental Process Line = The affected facility is a production process line.<br>Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater.<br>Modified after Applicability Date = The affected facility has been modified or reconstructed after its applicability date.<br>Table 3 Control Requirements = Calculations from Table 3 require controls.<br>Emission Reduction from Control Device = Existing control device (as defined in 40 CFR § 60.561) reduces emissions by 98 percent or greater, or exit concentration is 20 ppmv or less. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Table 2 Threshold Emission Rates = The uncontrolled emission rate is greater than the uncontrolled threshold emission rates in Table 2 of 40 CFR § 60.560. | |
| PROLPRMP | 40 CFR Part 60, Subpart DDD | 60DDD-IVCF | Emergency Vent = Emissions are not an emergency vent stream from a new, modified, or reconstructed facility.<br>Manufactured Product = Polypropylene or polyethylene.<br>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.<br>Continuous Process = The affected facility process is continuous.<br>Existing Control Device = The vent stream is controlled in an existing control device (as defined in 40 CFR § 60.561) which has not been reconstructed, replaced, or its operating conditions modified as a result of state or local regulations.<br>Process Emissions = Individual vent gas streams emit intermittent emissions.<br>Construction/Modification Date = After September 30, 1987 and on or before January 10, 1989.<br>Intermittent Control Device = Flare.<br>Experimental Process Line = The affected facility is a production process line.<br>Modified after Applicability Date = The affected facility has been modified or reconstructed after its applicability date.<br>Table 2 Threshold Emission Rates = The uncontrolled emission rate is greater than the uncontrolled threshold emission rates in Table 2 of 40 CFR § 60.560. | -- Affected Pollutant - VOC/TOC:<br>Related Standard – [G]§ 60.562-1(a)(2)(i), §60.562-1(d) and § 60.562-1(e) were added as applicable requirements.<br>Monitoring/Testing – [G]§ 60.563(a), § 60.563(b), § 60.563(b)(2)(ii), § 60.563(c), § 60.563(d)(1), §60.563(d)(2), § 60.564(a), § 60.564(a)(1), §60.564(a)(3) and [G]§ 60.564(e) were added as applicable requirements.<br>Recordkeeping - [G]§ 60.563(a), § 60.563(d)(1), §60.565(a), [G]§ 60.565(a)(5), [G]§ 60.565(b)(2), [G]§ 60.565(e), [G]§ 60.565(g) and § 60.565(j) were added as applicable requirements.<br>Reporting - § 60.565(1), § 60.565(a), [G]§60.565(a)(5), § 60.565(b)(1), § 60.565(i), §60.565(j), § 60.565(k), § 60.565(k)(2) and §60.565(k)(4) were added as applicable requirements. |
| PROLPRMP | 40 CFR Part 60, Subpart DDD | 60DDD-IVU | Manufactured Product = Polypropylene or polyethylene.<br>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.<br>Continuous Process = The affected facility process is continuous.<br>Process Emissions = Individual vent gas streams emit continuous emissions.<br>Construction/Modification Date = After September 30, 1987 and on or before January 10, 1989.<br>Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater.<br>Experimental Process Line = The affected facility is a production process line.<br>Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater.<br>Modified after Applicability Date = The affected facility has been modified or reconstructed after its applicability date.<br>Table 2 Threshold Emission Rates = The uncontrolled emission rate is less than or equal to the uncontrolled threshold emission rates in Table 2 of 40 CFR § 60.560. | |
| PROLPRX44 | 40 CFR Part 60, Subpart DDD | 60DDD | Manufactured Product = Polypropylene or polyethylene.<br>Continuous Process = The affected facility process is continuous.<br>Construction/Modification Date = On or before September 30, 1987. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| PROLPRX45 | 40 CFR Part 60, Subpart DDD | 60DDD | Manufactured Product = Polypropylene or polyethylene.<br>Continuous Process = The affected facility process is continuous.<br>Construction/Modification Date = On or before September 30, 1987. | |
| PROLPRX60 | 40 CFR Part 60, Subpart DDD | 60DDD-EV | Emergency Vent = Emissions are an emergency vent stream from a new, modified, or reconstructed facility.<br>Manufactured Product = Polypropylene or polyethylene.<br>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.<br>Continuous Process = The affected facility process is continuous.<br>Process Emissions = Individual vent gas streams emit intermittent emissions.<br>Construction/Modification Date = After September 30, 1987 and on or before January 10, 1989.<br>Experimental Process Line = The affected facility is a production process line.<br>Modified after Applicability Date = The affected facility has been modified or reconstructed after its applicability date.<br>Table 2 Threshold Emission Rates = The uncontrolled emission rate is less than or equal to the uncontrolled threshold emission rates in Table 2 of 40 CFR § 60.560. | |
| PROLPRX60 | 40 CFR Part 60, Subpart DDD | 60DDD-IVCF | Emergency Vent = Emissions are not an emergency vent stream from a new, modified, or reconstructed facility.<br>Manufactured Product = Polypropylene or polyethylene.<br>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.<br>Continuous Process = The affected facility process is continuous.<br>Existing Control Device = The vent stream is controlled in an existing control device (as defined in 40 CFR § 60.561) which has not been reconstructed, replaced, or its operating conditions modified as a result of state or local regulations.<br>Process Emissions = Individual vent gas streams emit intermittent emissions.<br>Construction/Modification Date = After September 30, 1987 and on or before January 10, 1989.<br>Intermittent Control Device = Flare.<br>Experimental Process Line = The affected facility is a production process line.<br>Modified after Applicability Date = The affected facility has been modified or reconstructed after its applicability date.<br>Table 2 Threshold Emission Rates = The uncontrolled emission rate is greater than the uncontrolled threshold emission rates in Table 2 of 40 CFR § 60.560. | -- Affected Pollutant - VOC/TOC:<br>Related Standard - [G]§ 60.562-1(a)(2)(i),<br>§60.562-1(d) and §60.562-1(e) were added as applicable requirements.<br>Monitoring/Testing - [G]§ 60.563(a), § 60.563(b), § 60.563(b)(2)(ii), § 60.563(c), § 60.563(d)(1), §60.563(d)(2), § 60.564(a), § 60.564(a)(1), §60.564(a)(3) and [G]§ 60.564(e) were added as applicable requirements.<br>Recordkeeping - [G]§ 60.563(a), § 60.563(d)(1), §60.565(a), [G]§ 60.565(a)(5), [G]§ 60.565(b)(2), [G]§ 60.565(e), [G]§ 60.565(g) and § 60.565(j) were added as applicable requirements.<br>Reporting - § 60.565(a), [G]§ 60.565(a)(5), §60.565(b)(1), § 60.565(i), § 60.565(j), §60.565(k), § 60.565(k)(2), § 60.565(k)(4) and § 60.565(l) were added as applicable requirements. |
| 07CMNHP | 40 CFR Part 63, Subpart FFFF | 63FFFF-2 | Designated Grp1 = The emission stream is designated as Group 1.<br>Designated HAL = The emission stream is not designated as halogenated.<br>Determined HAL = The emission stream is determined not to be halogenated. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Vent Emission Control = Reduce uncontrolled organic HAP emissions from all batch process vents within the process by venting through a closed-vent system to a flare per Table 2.1.c.<br>Prior Eval = Data from a prior evaluation or assessment is not used.<br>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver has been requested.<br>Negative Pressure = The closed vent system is operated and maintained at atmospheric pressure.<br>Bypass Line = No bypass lines. | |
| 07MCPU | 40 CFR Part 63, Subpart FFFF | 63FFFF-5 | >1000 lb/yr = The process has uncontrolled hydrogen halide and halogen HAP emissions from process vents of less than 1,000 lb/yr.<br>Ammonium Sulfate = The MCPU does not include the manufacture of ammonium sulfate as a by-product, or the slurry entering the by-product manufacturing process contains 50 parts per million by weight (ppmw) HAP or less or 10 ppmw benzene or less.<br>Startup 2003 = The affected source startup was on or after November 10, 2003.<br>Other Operations = The MCPU includes operations other than those listed in § 63.2435(c).<br>Shared Batch Vent = The MCPU does not include a batch process vent that also is part of a CMPU as defined in subparts F and G of this part 63.<br>63.100 CMPU = The MCPU is not a CMPU defined in § 63.100.<br>New Source = The MCPU is an existing affected source.<br>PUG = The MCPU is not part of a process unit group (PUG).<br>G2/<1000 lb/yr = The process does not include Group 2 batch process vents and/or uncontrolled hydrogen halide and halogen HAP emissions from the sum of all batch and continuous process vents less than 1,000 lb/yr.<br>Startup 2002 = The affected source initial startup was on or after April 4, 2002.<br>Batch Process Vents = The source includes batch process vents. | |

* - The “unit attributes” or operating conditions that determine what requirements apply
** - Notes changes made to the automated results from the DSS, and a brief explanation why

**NSR Versus Title V FOP**

The state of Texas has two Air permitting programs, New Source Review (NSR) and Title V Federal Operating Permits. The two programs are substantially different both in intent and permit content.

NSR is a preconstruction permitting program authorized by the Texas Clean Air Act and Title I of the Federal Clean Air Act (FCAA). The processing of these permits is governed by 30 Texas Administrative Code (TAC) Chapter 116.111. The Title V Federal Operating Program is a federal program authorized under Title V of the FCAA that has been delegated to the state of Texas to administer and is governed by 30 TAC Chapter 122. The major differences between the two permitting programs are listed in the table below:

| NSR Permit | Federal Operating Permit (FOP) |
|---|---|
| Issued Prior to new Construction or modification of an existing facility | For initial permit with application shield, can be issued after operation commences; significant revisions require approval prior to operation. |
| Authorizes air emissions | Codifies existing applicable requirements, does not authorize new emissions |
| Ensures issued permits are protective of the environment and human health by conducting a health effects review and that requirement for best available control technology (BACT) is implemented. | Applicable requirements listed in permit are used by the inspectors to ensure proper operation of the site as authorized. Ensures that adequate monitoring is in place to allow compliance determination with the FOP. |
| Up to two Public notices may be required. Opportunity for public comment and contested case hearings for some authorizations. | One public notice required. Opportunity for public comments. No contested case hearings. |
| Applies to all point source emissions in the state. | Applies to all major sources and some non-major sources identified by the EPA. |
| Applies to facilities: a portion of site or individual emission sources | One or multiple FOPs cover the entire site (consists of multiple facilities) |
| Permits include terms and conditions under which the applicant must construct and operate its various equipment and processes on a facility basis. | Permits include terms and conditions that specify the general operational requirements of the site; and also include codification of all applicable requirements for emission units at the site. |
| Opportunity for EPA review for Federal Prevention of Significant Deterioration (PSD) and Nonattainment (NA) permits for major sources. | Opportunity for EPA review, Affected states review, and a Public petition period for every FOP. |
| Permits have a table listing maximum emission limits for pollutants | Permit has an applicable requirements table and Periodic Monitoring (PM) / Compliance Assurance Monitoring (CAM) tables which document applicable monitoring requirements. |
| Permits can be altered or amended upon application by company. Permits must be issued before construction or modification of facilities can begin. | Permits can be revised through several revision processes, which provide for different levels of public notice and opportunity to comment. Changes that would be significant revisions require that a revised permit be issued before those changes can be operated. |
| NSR permits are issued independent of FOP requirements. | FOPs are independent of NSR permits, but contain a list of all NSR permits incorporated by reference |

**New Source Review Requirements**

Below is a list of the New Source Review (NSR) permits for the permitted area. These NSR permits are incorporated by reference into the operating permit and are enforceable under it. These permits can be found in the main TCEQ file room,

located on the first floor of Building E, 12100 Park 35 Circle, Austin, Texas. In addition, many of the permits are accessible online through the link provided below. The Public Education Program may be contacted at 1-800-687-4040 or the Air Permits Division (APD) may be contacted at 1-512-239-1250 for help with any question.

Additionally, the site contains emission units that are permitted by rule under the requirements of 30 TAC Chapter 106, Permits by Rule. Permit by Rule (PBR) registrations submitted by permittees are also available online through the link provided below. The following table specifies the PBRs that apply to the site.

The TCEQ has interpreted the emission limits prescribed in 30 TAC §106.4(a) as both emission thresholds and default emission limits. The emission limits in 30 TAC §106.4(a) are all considered applicable to each facility as a threshold matter to ensure that the owner/operator qualifies for the PBR authorization. Those same emission limits are also the default emission limits if the specific PBR does not further limit emissions or there is no lower, certified emission limit claimed by the owner/operator.

This interpretation is consistent with how TCEQ has historically determined compliance with the emission limits prior to the addition of the “as applicable” language. The “as applicable” language was added in 2014 as part of changes to the sentence structure in a rulemaking that made other changes to address greenhouse gases and was not intended as a substantive rule change. This interpretation also provides for effective and practical enforcement of 30 TAC §106.4(a), since for the TCEQ to effectively enforce the emission limits in 30 TAC §106.4(a) as emission thresholds, all emission limits must apply. As provided by 30 TAC §106.4(a)(2) and (3), an owner/operator shall not claim a PBR authorization if the facility is subject to major New Source Review. The practical and legal effect of the language in 30 TAC § 106.4 is that if a facility does not emit a pollutant, then the potential to emit for that particular pollutant is zero, and thus, the facility is not authorized to emit the pollutant pursuant to the PBR.

The status of air permits, applications, and PBR registrations may be found by performing the appropriate search of the databases located at the following website:

www.tceq.texas.gov/permitting/air/nav/air_status_permits.html

Details on how to search the databases are available in the **Obtaining Permit Documents** section below.

**New Source Review Authorization References**

| **Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.** | |
|---|---|
| Authorization No.: 115295 | Issuance Date: 06/17/2015 |
| Authorization No.: 8758 | Issuance Date: 12/12/2016 |
| **Permits By Rule (30 TAC Chapter 106) for the Application Area** | |
| Number: 106.261 | Version No./Date: 11/01/2003 |
| Number: 106.262 | Version No./Date: 11/01/2003 |
| Number: 106.263 | Version No./Date: 11/01/2001 |
| Number: 106.371 | Version No./Date: 09/04/2000 |
| Number: 106.433 | Version No./Date: 09/04/2000 |
| Number: 106.452 | Version No./Date: 09/04/2000 |
| Number: 106.472 | Version No./Date: 09/04/2000 |
| Number: 106.532 | Version No./Date: 09/04/2000 |
| Number: 83 | Version No./Date: 03/15/1985 |

**Emission Units and Emission Points**

In air permitting terminology, any source capable of generating emissions (for example, an engine or a sandblasting area) is called an Emission Unit. For purposes of Title V, emission units are specifically listed in the operating permit when they have applicable requirements other than New Source Review (NSR), or when they are listed in the permit shield table.

The actual physical location where the emissions enter the atmosphere (for example, an engine stack or a sand-blasting yard) is called an emission point. For New Source Review preconstruction permitting purposes, every emission unit has an associated emission point. Emission limits are listed in an NSR permit, associated with an emission point. This list of emission points and emission limits per pollutant is commonly referred to as the "Maximum Allowable Emission Rate Table", or "MAERT" for short. Specifically, the MAERT lists the Emission Point Number (EPN) that identifies the emission point, followed immediately by the Source Name, identifying the emission unit that is the source of those emissions on this table.

Thus, by reference, an emission unit in a Title V operating permit is linked by reference number to an NSR authorization, and its related emission point.

**Monitoring Sufficiency**

Federal and state rules, 40 CFR § 70.6(a)(3)(i)(B) and 30 TAC § 122.142(c) respectively, require that each federal operating permit include additional monitoring for applicable requirements that lack periodic or instrumental monitoring (which may include recordkeeping that serves as monitoring) that yields reliable data from a relevant time period that are representative of the emission unit's compliance with the applicable emission limitation or standard. Furthermore, the federal operating permit must include compliance assurance monitoring (CAM) requirements for emission sources that meet the applicability criteria of 40 CFR Part 64 in accordance with 40 CFR § 70.6(a)(3)(i)(A) and 30 TAC § 122.604(b).

With the exception of any emission units listed in the Periodic Monitoring or CAM Summaries in the FOP, the TCEQ Executive Director has determined that the permit contains sufficient monitoring, testing, recordkeeping, and reporting requirements that assure compliance with the applicable requirements. If applicable, each emission unit that requires additional monitoring in the form of periodic monitoring or CAM is described in further detail under the Rationale for CAM/PM Methods Selected section following this paragraph.

**Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected**

**Compliance Assurance Monitoring (CAM):**

Compliance Assurance Monitoring (CAM) is a federal monitoring program established under Title 40 Code of Federal Regulations Part 64 (40 CFR Part 64).

Emission units are subject to CAM requirements if they meet the following criteria:

1. the emission unit is subject to an emission limitation or standard for an air pollutant (or surrogate thereof) in an applicable requirement;

2. the emission unit uses a control device to achieve compliance with the emission limitation or standard specified in the applicable requirement; and

3. the emission unit has the pre-control device potential to emit greater than or equal to the amount in tons per year for a site to be classified as a major source.

The following table(s) identify the emission unit(s) that are subject to CAM:

| **Unit/Group/Process Information** | |
|---|---|
| ID No.: 07CMNHP | |
| Control Device ID No.: 07FLR_002 | Control Device Type: Flare |
| **Applicable Regulatory Requirement** | |
| Name: 30 TAC Chapter 115, Vent Gas Controls | SOP Index No.: R5121-10 |
| Pollutant: VOC | Main Standard: § 115.122(a)(1) |
| **Monitoring Information** | |
| Indicator: Pilot Flame | |
| Minimum Frequency: Continuous | |
| Averaging Period: n/a | |
| Deviation Limit: No pilot flame when process gas is being sent to the flare. | |
| Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: 07CMNLP | |
| Control Device ID No.: 07FLR_001 | Control Device Type: Flare |
| **Applicable Regulatory Requirement** | |
| Name: 30 TAC Chapter 115, Vent Gas Controls | SOP Index No.: R5121-8 |
| Pollutant: VOC | Main Standard: § 115.122(a)(1) |
| **Monitoring Information** | |
| Indicator: Pilot Flame | |
| Minimum Frequency: Continuous | |
| Averaging Period: n/a | |
| Deviation Limit: No pilot flame when process gas is being sent to the flare. | |
| Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: 07CMNLP | |
| Control Device ID No.: GRPFTO | Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer) |
| **Applicable Regulatory Requirement** | |
| Name: 30 TAC Chapter 115, Vent Gas Controls | SOP Index No.: R5121-9 |
| Pollutant: VOC | Main Standard: § 115.122(a)(1) |
| **Monitoring Information** | |
| Indicator: Combustion Temperature / Exhaust Gas Temperature | |
| Minimum Frequency: four times per hour | |
| Averaging Period: one hour | |
| Deviation Limit: Temperature less than 1300 degrees Fahrenheit when gas is directed to the control device. | |
| Basis of CAM: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: 721V | |
| Control Device ID No.: 721 | Control Device Type: Flare |
| **Applicable Regulatory Requirement** | |
| Name: 30 TAC Chapter 115, Vent Gas Controls | SOP Index No.: R5121-8 |
| Pollutant: VOC | Main Standard: § 115.122(a)(1) |
| **Monitoring Information** | |
| Indicator: Pilot flame | |
| Minimum Frequency: Continuous | |
| Averaging Period: N/A | |
| Deviation Limit: Loss of all pilots on flare | |
| Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: 858V | |
| Control Device ID No.: 858 | Control Device Type: Flare |
| **Applicable Regulatory Requirement** | |
| Name: 30 TAC Chapter 115, Vent Gas Controls | SOP Index No.: R5121-8 |
| Pollutant: VOC | Main Standard: § 115.122(a)(1) |
| **Monitoring Information** | |
| Indicator: Pilot flame | |
| Minimum Frequency: Continuous | |
| Averaging Period: N/A | |
| Deviation Limit: Loss of all pilots on flare | |
| Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH. | |

**Periodic Monitoring:**

The Federal Clean Air Act requires that each federal operating permit include monitoring sufficient to assure compliance with the terms and conditions of the permit. Most of the emission limits and standards applicable to emission units at Title V sources include adequate monitoring to show that the units meet the limits and standards. For those requirements that do not include monitoring, or where the monitoring is not sufficient to assure compliance, the federal operating permit must include such monitoring for the emission units affected. The following emission units are subject to periodic monitoring requirements because the emission units are subject to an emission limitation or standard for an air pollutant (or surrogate thereof) in an applicable requirement that does not already require monitoring, or the monitoring for the applicable requirement is not sufficient to assure compliance:

| **Unit/Group/Process Information** | |
|---|---|
| ID No.: 612-D4749 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| **Applicable Regulatory Requirement** | |
| Name: 40 CFR Part 60, Subpart Kb | SOP Index No.: 60Kb-0081 |
| Pollutant: VOC | Main Standard: § 60.112b(b)(1) |
| **Monitoring Information** | |
| Indicator: Indication of a leak in CVS components | |
| Minimum Frequency: Annually | |
| Averaging Period: N/A | |
| Deviation Limit: Failure to repair leaks as required | |
| Basis of monitoring:<br>It is widely practiced and accepted to use work practice as a monitoring option to demonstrate compliance. Preventive maintenance and visual inspections of control equipment, as recommended by the manufacturer, conducted by the owner or operator can ensure that the unit is operating properly. The work practice requirements prescribe that preventive maintenance and/or visual inspections be performed and recorded in a log. This option assures that the owner or operator is adequately maintaining the control equipment. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: 612-D4758 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| **Applicable Regulatory Requirement** | |
| Name: 40 CFR Part 60, Subpart Kb | SOP Index No.: 60Kb-0081 |
| Pollutant: VOC | Main Standard: § 60.112b(b)(1) |
| **Monitoring Information** | |
| Indicator: Indication of a leak in CVS components | |
| Minimum Frequency: Annually | |
| Averaging Period: N/A | |
| Deviation Limit: Failure to repair leaks as required | |
| Basis of monitoring:<br>It is widely practiced and accepted to use work practice as a monitoring option to demonstrate compliance. Preventive maintenance and visual inspections of control equipment, as recommended by the manufacturer, conducted by the owner or operator can ensure that the unit is operating properly. The work practice requirements prescribe that preventive maintenance and/or visual inspections be performed and recorded in a log. This option assures that the owner or operator is adequately maintaining the control equipment. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: GRPFTO | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| **Applicable Regulatory Requirement** | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-002 |
| Pollutant: Opacity | Main Standard: § 111.111(a)(1)(C) |
| **Monitoring Information** | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per week | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may either report a deviation or perform Test Method 9 and opacity shall not exceed 15%. | |
| Basis of monitoring:<br>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations. The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures. | |

**Obtaining Permit Documents**

The New Source Review Authorization References table in the FOP specifies all NSR authorizations that apply at the permit area covered by the FOP. Individual NSR permitting files are located in the TCEQ Central File Room (TCEQ Main Campus located at 12100 Park 35 Circle, Austin, Texas, 78753, Building E, Room 103). They can also be obtained electronically from TCEQ's Central File Room Online (https://www.tceq.texas.gov/goto/cfr-online). Guidance documents that describe how to search electronic records, including Permits by Rule (PBRs) or NSR permits incorporated by reference into an FOP, archived in the Central File Room server are available at https://www.tceq.texas.gov/permitting/air/nav/air_status_permits.html

All current PBRs are contained in Chapter 106 and can be viewed at the following website:

https://www.tceq.texas.gov/permitting/air/permitbyrule/air_pbr_index.html

Previous versions of 30 TAC Chapter 106 PBRs may be viewed at the following website:

www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/old106list/index106.html

Historical Standard Exemption lists may be viewed at the following website:

www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/oldselist/se_index.html

Additional information concerning PBRs is available on the TCEQ website:

https://www.tceq.texas.gov/permitting/air/nav/air_pbr.html

**Available Unit Attribute Forms**

OP-UA1 - Miscellaneous and Generic Unit Attributes
OP-UA2 - Stationary Reciprocating Internal Combustion Engine Attributes
OP-UA3 - Storage Tank/Vessel Attributes
OP-UA4 - Loading/Unloading Operations Attributes
OP-UA5 - Process Heater/Furnace Attributes
OP-UA6 - Boiler/Steam Generator/Steam Generating Unit Attributes
OP-UA7 - Flare Attributes
OP-UA8 - Coal Preparation Plant Attributes
OP-UA9 - Nonmetallic Mineral Process Plant Attributes
OP-UA10 - Gas Sweetening/Sulfur Recovery Unit Attributes
OP-UA11 - Stationary Turbine Attributes
OP-UA12 - Fugitive Emission Unit Attributes
OP-UA13 - Industrial Process Cooling Tower Attributes
OP-UA14 - Water Separator Attributes
OP-UA15 - Emission Point/Stationary Vent/Distillation Operation/Process Vent Attributes
OP-UA16 - Solvent Degreasing Machine Attributes
OP-UA17 - Distillation Unit Attributes
OP-UA18 - Surface Coating Operations Attributes
OP-UA19 - Wastewater Unit Attributes
OP-UA20 - Asphalt Operations Attributes
OP-UA21 - Grain Elevator Attributes
OP-UA22 - Printing Attributes
OP-UA24 - Wool Fiberglass Insulation Manufacturing Plant Attributes
OP-UA25 - Synthetic Fiber Production Attributes
OP-UA26 - Electroplating and Anodizing Unit Attributes
OP-UA27 - Nitric Acid Manufacturing Attributes
OP-UA28 - Polymer Manufacturing Attributes
OP-UA29 - Glass Manufacturing Unit Attributes
OP-UA30 - Kraft, Soda, Sulfite, and Stand-Alone Semichemical Pulp Mill Attributes

OP-UA31 - Lead Smelting Attributes
OP-UA32 - Copper and Zinc Smelting/Brass and Bronze Production Attributes
OP-UA33 - Metallic Mineral Processing Plant Attributes
OP-UA34 - Pharmaceutical Manufacturing
OP-UA35 - Incinerator Attributes
OP-UA36 - Steel Plant Unit Attributes
OP-UA37 - Basic Oxygen Process Furnace Unit Attributes
OP-UA38 - Lead-Acid Battery Manufacturing Plant Attributes
OP-UA39 - Sterilization Source Attributes
OP-UA40 - Ferroalloy Production Facility Attributes
OP-UA41 - Dry Cleaning Facility Attributes
OP-UA42 - Phosphate Fertilizer Manufacturing Attributes
OP-UA43 - Sulfuric Acid Production Attributes
OP-UA44 - Municipal Solid Waste Landfill/Waste Disposal Site Attributes
OP-UA45 - Surface Impoundment Attributes
OP-UA46 - Epoxy Resins and Non-Nylon Polyamides Production Attributes
OP-UA47 - Ship Building and Ship Repair Unit Attributes
OP-UA48 - Air Oxidation Unit Process Attributes
OP-UA49 - Vacuum-Producing System Attributes
OP-UA50 - Fluid Catalytic Cracking Unit Catalyst Regenerator/Fuel Gas Combustion Device/Claus Sulfur Recovery Plant Attributes
OP-UA51 - Dryer/Kiln/Oven Attributes
OP-UA52 - Closed Vent Systems and Control Devices
OP-UA53 - Beryllium Processing Attributes
OP-UA54 - Mercury Chlor-Alkali Cell Attributes
OP-UA55 - Transfer System Attributes
OP-UA56 - Vinyl Chloride Process Attributes
OP-UA57 - Cleaning/Depainting Operation Attributes
OP-UA58 - Treatment Process Attributes
OP-UA59 - Coke By-Product Recovery Plant Attributes
OP-UA60 - Chemical Manufacturing Process Unit Attributes
OP-UA61 - Pulp, Paper, or Paperboard Producing Process Attributes
OP-UA62 - Glycol Dehydration Unit Attributes
OP-UA63 - Vegetable Oil Production Attributes